

Notice of Allowability

Application No.

10/781,640

Examiner

Neveen Abel-Jalil

Applicant(s)

SAARI ET AL.

Art Unit

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/27/06 & Approved TD 10/781,673.
2. ☒ The allowed claim(s) is/are 1-5, 7-15 and 17-22.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

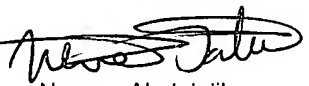
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


Neveen Abel-Jalil
AU 2165

DETAILED ACTION

Remarks

1. The Amendment filed on November-27-2006 has been received and entered. Claims 6, and 16 have been cancelled. Therefore, claims 1-5, 7-15, and 17-22 are now pending.

Terminal Disclaimer

2. The terminal disclaimer filed on December 22, 2006 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of 10/781,673 has been reviewed and is accepted. The terminal disclaimer has been recorded.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. Authorization for this examiner's amendment was given in a telephone interview with Mr. Joe McKinney Muncy on December 21, 2006 (Attorney of Record).

Amendments to the Claims:

4. The claims has been amended as follows:

Replace claim 1 with the following:

1. (Currently amended) A method, ~~comprising~~ comprising:

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creating metadata files ~~for use in~~ personalization of media services in an information system including an information content database, in which parameters descriptive of the content of information services are arranged to be stored, and a user profile database, in which parameters descriptive of the users of information services are arranged to be stored, said creating comprising:

- creating a rulebase including the reaction impulses of a test user group to information services presented as stimuli;

- creating a database descriptive of an information content space and including theoretical alternatives for the parameters descriptive of the content of the information services;

- creating a database descriptive of a user profile space and including theoretical alternatives for the parameters descriptive of the users of the information services;

- creating a database descriptive of a reaction space and including theoretical alternatives for parameters descriptive of reactions of the users of the information services, the database being created as an interaction of the database descriptive of the information content space and the database descriptive of the user profile space, the interaction being specified based on the reaction impulses defined in the rulebase;

- comparing actual parameters descriptive of the content and the users of the information services with the theoretical parameters; and

- creating and storing metadata files as a result of said comparison for at least one user of an information service and for at least one content of an information service based on the reaction impulses defined in the rulebase,

- said method further comprising

- collecting, during use of the information services by the user, data on the reactions of the users of the information services to the information objects presented;

- updating the parameters of the information objects included in said user profile database based on the collected data; and

- updating, based on the collected data, the rulebase linking together essential parameters of the user, information content and reaction.

Replace claim 8 with the following:

8. (Currently amended) A method ~~comprising~~ comprising:

creating metadata files ~~for use in~~ personalization of media services in an information system including an information content database, in which parameters descriptive of the content of information services are arranged to be stored, and a user profile database, in which parameters descriptive of users of information services are arranged to be stored, said creating comprising:

creating a rulebase including reaction impulses of a test user group to information services presented as stimuli;

creating a database descriptive of an information content space and including theoretical alternatives for the parameters descriptive of the content of the information services;

creating a database descriptive of a user profile space and including theoretical alternatives for the parameters descriptive of the users of the information services;

creating a database descriptive of a reaction space and including theoretical alternatives for parameters descriptive of reactions of the users of the information services, the database being created as an interaction of the database descriptive of the information content space and the database descriptive of the user profile space, the interaction being specified based on the reaction impulses defined in the rulebase;

comparing actual parameters descriptive of the content and the users of the information services with the theoretical parameters;

creating and storing metadata files as a result of said comparison for at least one user of an information service and for at least one content of an information service based on the reaction impulses defined in the rulebase,

creating an interpretation file from the information content database, the interpretation file including linking addresses to the different information objects in the information content database;

comparing said interpretation file with the parameters in the information content space by placing corresponding parameters on top of each other;
creating a correlation file as a result of said comparison; and
deriving and storing, from said correlation file by ~~means of~~ linking addresses included in the interpretation file, a metadata file descriptive of the information objects included in an information service and the variation in content of the information objects.

Replace claim 12 with the following:

12. (Currently amended) The media service information system of claim 11, wherein said rulebase is arranged to be created by

arranging information objects, which belong to the information content space and whose content and ways of presentation are varied, to be presented to a statistically significantly large test user group;

arranging data to be collected on the reactions of the test user group to said information objects; and

arranging the reaction impulses of the test user group to the presented information objects to be stored in the rulebase by linking together the essential parameters of the user, the information content and the reaction.

Replace claim 13 with the following:

13. (Currently amended) The media service information system of claim 12, wherein said data to be collected specifying the reactions of the test user group includes at least some of the following:

- data measured by sensors on a user's heart rate, epidermal sweating, blood pressure and/or facial muscle tension;
- data determined by a camera on the user's eye movements;
- data based on questionnaires, interviews or observation of behavior.

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Replace claim 14 with the following:

14. (Currently amended) The media service information system of claim 11, wherein said database descriptive of the information content space and the information content database include information objects that are parameterized by substantially the same parameters, which include at least some of the following: content substance, content modality, content format, conceptual structure of content.

Replace claim 15 with the following:

15. (Currently amended) The media service information system of claim 11, wherein said database descriptive of the user profile space and the user profile database include information objects that are parameterized by substantially the same parameters, which include at least some of the following: implicit user profile, explicit user profile, information interest profile, use history profile, filtered profile.

Replace claim 17 with the following:

17. (Currently amended) The media service information system of claim 11, wherein a metadata file descriptive of an individual user is arranged to be created by the parameters descriptive of said user being arranged to be compared with the parameters in the user profile space by placing corresponding parameters on top of each other; and as a result of said comparison, a correlation file that specifies user category the user belongs to is arranged to be created.

Replace claim 18 with the following:

18. (Currently amended) An information system ~~comprising~~ comprising:

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an information content database storing parameters descriptive of a content of information services of a media service information system;

a user profile database storing parameters descriptive of users of information services are arranged to be stored;

a rulebase, in which reaction impulses of a test user group to information services presented as stimuli are arranged to be stored;

a database descriptive of an information content space and including theoretical alternatives for the parameters descriptive of the content of the information services;

a database descriptive of a user profile space and including theoretical alternatives for the parameters descriptive of the users of the information services;

a database descriptive of a reaction space and including theoretical alternatives for parameters descriptive of the reactions of the users of the information services, the database being created as an interaction of the database descriptive of the information content space and the database descriptive of the user profile space, the interaction being specified based on the reaction impulse defined in the rulebase;

actual parameters descriptive of the content and the users of the information services being arranged to be compared with the theoretical parameters;

metadata files being arranged to be created and stored as a result of said comparison for at least one user of an information service and for at least one content of an information service based on the reaction impulse defined in the rulebase;

an interpretation file being arranged to be created from the information content database, the interpretation file including linking addresses to the different information objects in the information content database;

said interpretation file being arranged to be compared with the parameters in the information content space by placing corresponding parameters on top of each other;

a correlation file being arranged to be created as a result of said comparison; and

a metadata file descriptive of the information objects included in said information service and the variation in content of the information objects being arranged to be derived and stored from said correlation file by ~~means of~~ linking addresses included in the interpretation file.

Replace claim 19 with the following:

19. (Currently amended) The media service information system of claim 11, wherein the information objects included in said information system are arranged to be coded as XML documents.

Replace claim 20 with the following:

20. (Currently amended) The media service information system of claim 19, wherein said XML documents include a style sheet, the style sheet including instructions converting the data included in an XML content document into an HTML document.

Replace claim 21 with the following:

21. (Currently amended) A computer-readable medium having stored thereon executable elements ~~which, when executed~~ executable in one or more computing device, configure the processor or ~~computer~~ computer:

create a rulebase including reaction impulses of a test user group to information services presented as stimuli in a media service information system;

create an information content database descriptive of an information content space and including theoretical alternatives for the parameters descriptive of the content of the information services;

create a user profile database descriptive of a user profile space and including theoretical alternatives for the parameters descriptive of the users of the information services;

create a database descriptive of a reaction space and including theoretical alternatives for parameters descriptive of reactions of the users of the information services, the database being created as an interaction of the database descriptive of the information content space and the database descriptive of the user profile space, the interaction being specified based on the reaction impulses defined in the rulebase;

compare actual parameters descriptive of the content and the users of the information services with the theoretical parameters;

create and store metadata files as a result of said comparison for at least one user of an information service and for at least one content of an information service based on the reaction impulses defined in the rulebase;

collect, during use of the information services by the users, data on the reactions of the users of the information services to the information objects presented;

update the parameters of the information objects included in said user profile database based on the collected data; and

update, based on the collected data, the rulebase linking together essential parameters of the user, information content and reaction.

Replace claim 22 with the following:

22. (Currently amended) A computer-readable medium having stored thereon executable elements ~~which, when executed~~ executable in one or more computing device, configure the processor or ~~computer~~computer:

create a rulebase including reaction impulses of a test user group to information services presented as stimuli in a media service information system;

create an information content database descriptive of an information content space and including theoretical alternatives for the parameters descriptive of the content of the information services;

create a user profile database descriptive of a user profile space and including theoretical alternatives for the parameters descriptive of the users of the information services;

create a database descriptive of a reaction space and including theoretical alternatives for parameters descriptive of reactions of the users of the information services, the database being created as an interaction of the database descriptive of the information content space and the database descriptive of the user profile space, the interaction being specified based on the reaction impulses defined in the rulebase;

compare actual parameters descriptive of the content and the users of the information services with the theoretical parameters;

create and store metadata files as a result of said comparison for at least one user of an information service and for at least one content of an information service based on the reaction impulses defined in the rulebase;

create an interpretation file from the information content database, the interpretation file including linking addresses to the different information objects in the information content database;

compare said interpretation file with the parameters in the information content space by placing corresponding parameters on top of each other;

create a correlation file as a result of said comparison; and

derive and store, from said correlation file by ~~means of~~ linking addresses included in the interpretation file, a metadata file descriptive of the information objects included in an information service and the variation in content of the information objects.

Allowance

5. Claims 1-5, 7-15, and 17-22 are allowed over the prior art made of record.
6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Neveen Abel-Jalil whose telephone number is 571-272-4074.

The examiner can normally be reached on 8:30AM-5:30PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Gaffin can be reached on 571-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Neveen Abel-Jalil
January 2, 2007